

NEWS & ALERTS FROM THE SMART GRID INTEROPERABILITY PANEL (SGIP)

Wednesday, July 18, 2012

Over 400 Participate in the SGIP Summer Face-to-Face



Last week's meeting in Portland provided over 400 attendees, both remote and in-person, a chance to discuss and learn about the latest progress in Smart Grid standards. Additionally, much emphasis was placed on SGIP's future beyond this year as the Governing Board approved the proposed Business Sustainment Plan developed by the Business Sustainment Plan Working Group (more details in future emails; learn more now at <https://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/BSPWG>).

Some highlights of business from the committees and working groups:

Standing Committees

- CyberSecurity Working Group: Draft of NISTIR 7823, AMI Upgradeability Test Framework will be implemented on Oak Ridge National Lab AMI Upgradeability System. Draft of SGIP Guide for Assessing High Level Requirements will be completed by end of July.
- Smart Grid Testing & Certification Committee: SGTCC launched discussion with Smart Grid Implementation Methods Committee to align testing/certification framework implementation efforts that address priority needs of utility community. SGTCC and the Electromagnetic Interoperability Issues Working Group advanced discussions on integrating EMC /environmental test considerations within the IPRM to recognize impacts on interoperability.
- Smart Grid Architecture Committee: Reviewed EU SG-CG Ref Arch Working Group (RAWG) coordination and discussed kick-off steps to identify Market meta-model and best practice examples, and work on DER Use Case functional/non-functional requirements.
- Smart Grid Implementation Methods Committee: Presentation by Don Von Dollen and Jeremy Laudergerren on EPRI whitepaper: A Utility Standards and Technology Adoption Roadmap and Frances Cleveland presented on Architectural Diagrams and Standards of the DER domain.

Domain Expert Working Groups and Other Working Groups

- Building-to-Grid (B2G) reviewed C&I Interoperability Roadmap and discussed tasks to move forward.
- Home-to-Grid (H2G) discussed two of their deliverables Standard Progress - "Modular Communications Interface for Energy Management" and CoS Submittal - "Installation Guide for Smart Grid Applications."
- Transmission and Distribution (TnD) heard presentations on MultiSpeak v4 and Transmission Bus Load Model (TBLM).
- Vehicle-to-Grid (V2G) released v1.0 Roadmap Framework to IEEE p2030.1.
- Weather Working Group (WWG) discussed their recommendation to form a new PAP on Multiple SDO Weather Model Development.
- International Task Force is seeking volunteers to support Letters of Intention. If interested, please visit <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPWorkingGroupGBITF>.

Priority Action Plan Teams

- PAP-02: Wireless Communications presented Modeling Tools and reviewed Input Data Assumptions, Wireless Guidelines, Section 6 Edits.
- PAP-08: CIM for Distribution Grid Management discussed Monitoring and Control Capabilities, Distribution Automation (DA) Functions & Business Processes and IEC TC8 Use Case Development Activities.
- PAP-09: Standard DR and DER Signals focused on alignment of OpenADR 2.0 with Existing PAP09 Requirements and expediting the review of OpenADR 2.0 and SEP 2.0 (Before Closing).
- PAP-12: Mapping IEEE 1815 (DNP3) to IEC 61850 discussed comments on DRAFT IEEE P1815.1 (Open for WG Ballot Until July 27).
- PAP-13: Harmonization IEEE 1815 C37.118 w/ IEC 1850 discussed CoS Status for IEC 61850-90-5 and Lessons Learned in Standards for Synchrophasor Data.
- PAP-15: Power Line Communications reviewed Draft NISTIR for Narrow Band and IEEE 1901.2 Status Update.
- PAP-19: Wholesale Demand Response (DR) reviewed Use Case Diagrams, Information Model Business Diagrams and OpenADR 2.0 to PAP 20 CIM Mapping. Would like **More** SGIP Membership Feedback. If interested, please visit <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/PAP19WholesaleDR>.
- PAP-20: Green Button ESPI Evolution reviewed group's deliverables and accepted two requirements. Held ESPI Critical Discussion on available schemas.



CONFERENCE ARCHIVE: <https://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/Summer2012Access>

New Natural Gas Working Group Seeks Members

The SGIP is developing a work group to address the intersection of electric and gas grid interoperability standards, and is soliciting participants interested in contributing. Topics this workgroup will address include, but are not limited to, the identification of applicable interoperability standards (e.g., ANSI's C.12 series, MultiSpeak, the CIM) for inclusion in the SGIP's Catalog of Standards; potential gaps between standards and policy; interdependency between gas and other infrastructures, particularly electric and water; communications technologies (e.g., automated metering infrastructure, distribution automation); reliability, safety, and cybersecurity; and others to be identified by the workgroup.

The SGIP has focused largely on the electric-centric Smart Grid. However, as FERC, NERC, NARUC, and others have noted, gas-fired electric generation has become increasingly prevalent due to simple economics, yet topics like interdependency and inter-grid communications capabilities require considerable further study. Based on the success to date of the SGIP's efforts addressing Smart Grid standards and remedying policy gaps, the SGIP is the ideal forum for collaboration between the broad ecosystem of electric and gas stakeholders on these vital critical infrastructure topics.

The work group will hold its initial meeting via conference call on Wednesday, August 1st from 1-2 pm Eastern Daylight Time. Attendance is open to the public; while SGIP membership is encouraged, participation in the natural gas workgroup does not require SGIP membership at this time. Attendees must register for the conference call at <https://www2.gotomeeting.com/register/863979298>.

Currently, the SGIP does not charge for membership; potential members are encouraged to learn more about the SGIP at <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPAbout>, and to join at <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/SGIPMembershipInfo>. For questions on the Natural Gas Work Group, or about the SGIP in general, please e-mail sgipgb.administrator@enernex.com.

CyberSecurity Working Group Provides New “Train the Trainer” Set

The CSWG Privacy Subgroup has completed the Privacy train-the-trainer slides for use by organizations that are part of the Smart Grid. The slides are intended to help organizations answer consumer questions about privacy concerns. This slide set is being provided to serve as a starting point for those within organizations to help them effectively and efficiently plan for information security and privacy education programs being presented to consumers as these programs might relate to Smart Grid privacy. These slides will provide information as a way to help “train the trainer,” providing advice and assistance for the organizations to create their own awareness and training content. We’ve provided significant additional information within the speaker notes, along with many pointers to other information resources, that organizations may wish to use when delivering their own tailored training.

The slides are available at the following URL: https://collaborate.nist.gov/twiki-sggrid/pub/SmartGrid/CSCTGPrivacy/CSWG_Smart_Grid_Privacy_Training_for_Consumers_final.pptx.

UPCOMING WEBINARS/TELECONFERENCES YOU MAY WANT TO JOIN

- CyberSecurity Working Group: On July 23 during CSWG call, the EU Smart Grid Cybersecurity Working Group will provide a brief presentation on their upcoming report on Smart Grid Cybersecurity.
- Natural Gas Working Group: The work group will hold its initial meeting via conference call on Wednesday, August 1st from 1-2 pm Eastern. Attendees must register at <https://www2.gotomeeting.com/register/863979298>.

REMINDER: Sunday Last Call for Grid-Interop Papers

Abstracts for papers are being sought to address the broad area of interoperability in the electric grid. Some of the subject areas covered by Grid-Interop 2012 are the challenges in implementing interoperable solutions for smart grid problems including:

- Defining and implementing transactive energy approaches
- Restructured energy markets and smart grid
- Innovative rate design and smart grid
- Regulatory changes in support of smart grid
- Smart grid and multi-sector regulation of electricity and telecommunication
- Smart grid and electricity trading
- Products and automation to facilitate customer cooperation and choice/scalable systems integration
- Interoperability needs of consumers implementing energy management
- Keeping customer equipment current and relevant for smart grid
- Smart grid, net metering, and standby services; regulatory challenges
- Competitive suppliers and smart grid
- Smart grid and state vs. federal legislation
- Implementation of systems across industry domains

Abstracts should address ideas and proposals to advance interoperability of smart grids as articulated by the GridWise Architecture Council (please visit www.gridwiseac.org) and to implement the NIST Interoperability Roadmap. Grid-Interop offers the opportunity to discuss new and innovative ways for improving smart grid interactions, and the opportunity to participate in actions that shape the future of interoperability.

LEARN MORE at <http://www.grid-interop.com/2012/#cfp>

Contact SGIP Leadership and Administrator at sgipgb.administrator@enernex.com

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